



CLIP & LIGHT



Light clips / boxes for multi-client picking

ID SERVICES offers truly innovative PUT TO LIGHT solutions to handle all types of "multi-client" / "multi-command" picking : the result of meeting the needs of users in the field and the creativity of our engineers. Light bars, light masts, light "ceilings", light boxes, and many powerful, reliable, robust, ergonomic, durable, easy and quick to install solutions, capable of adapting to all your operating constraints. Their integration is simple and independent of WMS. Of excellent quality, entirely designed and manufactured in France, these solutions are durable, easy and inexpensive to maintain. And, they are much cheaper than the usual systems, also contributing to improving the working conditions of warehouse workers.

MULTI-CLIENT PREPARATION IN FULL LIGHT!

CLIP&LIGHT is presented as a multicoloured WIFI light, easily integrated on a support of variable shapes thanks to its clip system.

It is a flexible and modular solution of luminous display for Picking rolls (wire box), allowing to identify in real time the correct tray or shelf of deposition of the articles during picking. Combined with portable, "hands-free" or voice input terminals, this solution allows the simultaneous "multi-client" preparation of orders, with all the gains that this represents, in a simple, intuitive and reliable way.

The system, consisting mainly of small stand-alone and removable WIFI LED boxes, clipped onto clamps (made of wood, plastic or metal) ideally hung on the Picking support, or directly placed on any other support, guides the picker efficiently and intuitively.

The aim is to avoid any errors when positioning the goods (e.g. carton inversions when depositing) and to ensure fast, efficient and interactive identification of the logistical support within the warehouse (e.g. identification of a priority parcel on a conveyor). The shelf, storage box or cardboard box in which the collected products are to be placed is identified by the multicoloured lights on the housing which simply light up or flash !

Once the picking is completed, the CLIP&LIGHT module is recovered, reloaded and reusable for a successive preparation round.

This solution is not limited to PUT TO LIGHT operations, but can also be used for PICK TO LIGHT operations if required.



- WIFI interface with the application server and/or with any type of terminal (classic portable terminal, embedded or voice terminal, smartphone or tablet, under Windows or Android).
- Each CLIP&LIGHT module is independent and adjustable according to needs. WIFI configuration is carried out via a WEB interface, WIFI pairing (with the application server or the controller) is then carried out by a simple reading of the bar code stuck on the LED box or by NFC.
- The maximum number of boxes that can be used at the same time is determined only by the constraints of the WIFI network (IP addresses available).
- The LED boxes are positioned above or on the side of the bins or shelves, or fixed on the box where the goods are placed: the clamp (made of wood, plastic or metal, depending on the constraints to be respected) integrates the LED box.
- Each box is equipped with a push button allowing, if necessary, to mechanically switch off the LED once the product has been placed on/in its place.
- A specific software installed in the CLIP&LIGHT, using a proprietary communication protocol, manages in real time the functions of the LED boxes.
- Fits on any type of roll container, or other preparation surface.
- Can be associated with any type of complementary device.
- As an option, an electronic box (controller) can be installed in the warehouse to concentrate CLIP&LIGHT control commands/operations. It connects to LED boxes in WIFI and terminals via BLUETOOTH or directly in WIFI to the application server.
- The internal battery (not removable) of the CLIP&LIGHT offers a shift life of more than 8 hours. It recharges easily and quickly (maximum 1 h 30) thanks to an "intelligent" 4 position charger.
- Compliant with legislation : no risk of eye damage for operators.



Visuels non contractuels

For further information, please visit our website :

www.put2light.fr

ID Services, Parc club de l'Université, 4 rue Jacques Monod, 91400 ORSAY - France
Tél. : + 33 1 69 35 10 00 - Fax : + 33 1 69 35 10 01 - contact@idservices.fr

Technical specifications

Clip&Light

Clip&Light boxe



4 positions charger



Controller concentrator (optional)



Description	WIFI light box Rear clip allowing a very simple fixing on a clip or any other support	Load base for 4 housings Up to 15 chargers can be connected in series	Electronic WIFI controller Concentrator controls for steering light boxes
Dimensions (mm)	L 80 x l 59 x h 28	L 300 x l 150 x h 110	L 161 x l 81 x h 55
Weight	145 gr	2,3 kg	390 gr
Outer material	Polycarbonate plastic shell 2 heat glued polycarbonate LED windows, frosted	Polycarbonate plastic shell	ABS
Processor	Microcontroller 32 bits RISC ARM Single-core à 1Ghz	-	Microcontroller 8 bits, microprocessor 64 bits Quad-Core ARM Cortex A53 à 1,2 Ghz Broadcom BCM2387 chipset
Memory (SDRAM)	512 Mo	-	1 Go LPDDR2
Writing / Reading unit	Micro SD card up to 32 Go	-	Micro SD card up to 32 Go
Communication	WLAN WIFI 2,4 Ghz IEEE 802.11 b/g/n Sécurité : WEP, WPA, WPA2 Modes : STA/AP/STA+AP/P2P Protocole TCP/IP	-	Ethernet WLAN WIFI 2,4 Ghz IEEE 802.11 b/g/n Sécurité : WEP, WPA, WPA2 Modes : STA/AP/STA+AP/P2P Protocole TCP/IP
WIFI Pairing	Barcode on housing NFC (for PDA without optical reader)	-	Barcode on controller
Operating system	LINUX	-	LINUX
Programming	PYTHON / Language C	-	PYTHON / Language C
Indicator lights	2 side LEDs 7x color 1 central charging LED (R/G)	1 white LED per cup	-
Buttons	1 front push button On/Off	1 On/Off button above charger	-
Battery	Rechargeable Li-Ion de 8.4 VDC	-	-
Operating life	> 8 heures à + 20° C	-	-
Loading time (discharged battery 0%, 20-25°C)	80 % en 40 min / 90 % en 1 h / 100 % en 1 h 30	-	-
Operating temperature	- 20° C à + 50° C on BLUETOOTH - 25° C à + 50° C on WIFI + BT under review	0° à + 50° C	-20° à + 50° C
Storage temperature	0° à + 60° C	- 30° à + 60° C	- 30° à + 60° C
Power input	12 VDC	110-230 VAC - 10 A	12-36 VDC
Power output	-	1 A to charger cradle - 10 VDC 110-230 VAC -10 A to others chargers (up to 15 in total)	12-24 VDC
Maximum consumption	1 A - 12 W	65 W par boîtier	10 W
Power supply connection	Input 12 VDC per pack : power + cradle	Power input : IEC 320 C14 Output -> other charger : IEC 320 C13	Input : 1 polyamide gland
Communication			
Tightness	IP 68	IP 54	IP 68
Resistance to falls	IK 8 / 10 x 1,8 m on concrete	1 m	-
Restriction	depending on available IP addresses	-	Max. 256 boxes in the same time
Sécurité & Conformité réglementaire	This product meets the safety and regulatory criteria for normal use ENVIRONMENTAL: EU RoHS compliant; Chinese RoHS compliant		
Garantie	1 YEAR	1 YEAR	1 YEAR